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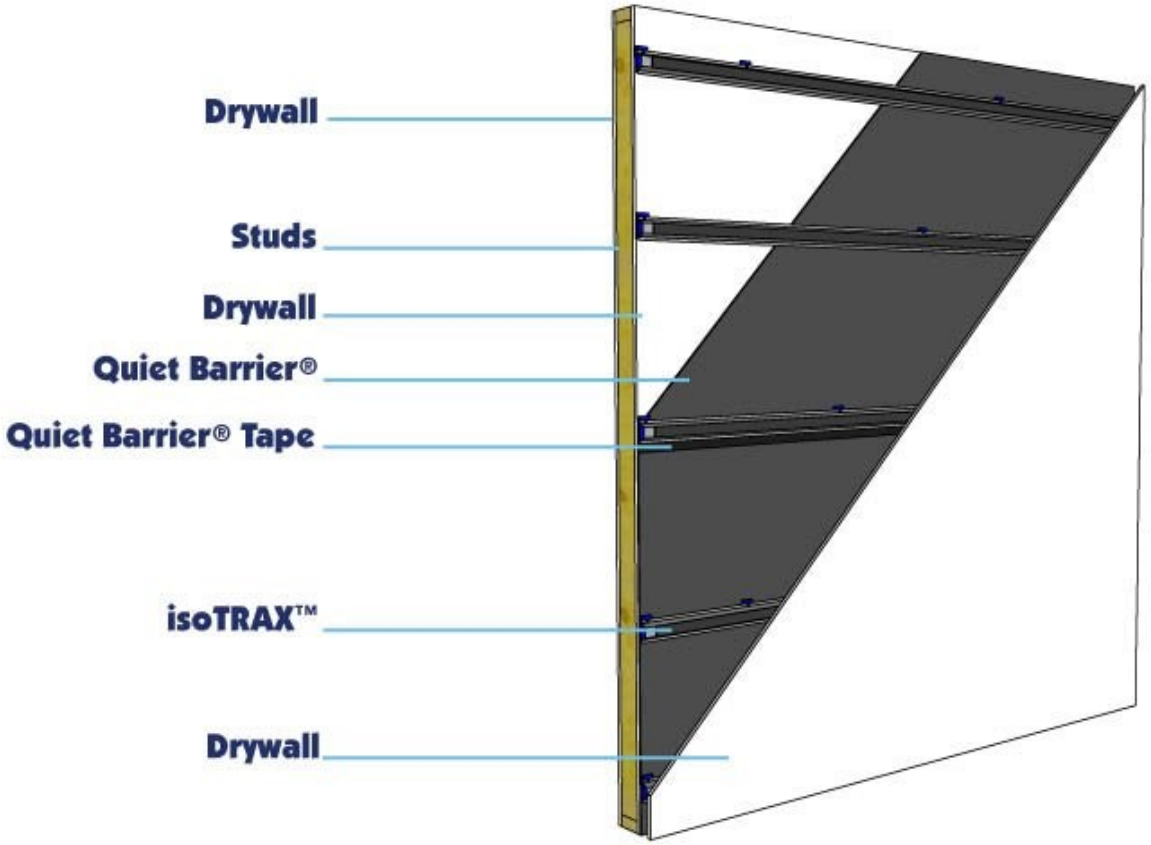
GOOD Existing Wall Soundproofing Assembly



This assembly is perfect for shared walls in condominiums and apartments and a cost effective alternative to our best assembly. Use this assembly to reduce airborne and structural borne noise transfer between two rooms. This type of construction is a good retro fit solution for a variety of spaces from bedrooms to mechanical/machinery rooms.

ADDRESS
Soundproofcow
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Products used in this assembly:

Quiet Barrier® Soundproofing Material

Quiet Barrier® Tape

OSI® Pro-Series® SC-175™ Acoustical Sound Sealant

Instructions / Details

Method A: attaching the Quiet Barrier® HD directly to the wall surface.

1. Use a stud finder to locate the studs within the wall. Mark the studs with a chalk line.

2. Install the Quiet Barrier® HD onto the wall surface with 1 ¼ inch roofing nails. Butt the edges of the Quiet Barrier® HD tightly together. Try to minimize the amount of seams.

3. Peal and place the Quiet Barrier® Tape over all of the seams of the Quiet Barrier.

4. Install 5/8 inch Type X gypsum board with 2 inch coarse thread drywall screws. Screws should be placed 8 to 12 inches apart. Make sure the screws penetrate the studs within the wall. Leave a ¼ inch gap between the new layer of gypsum board and all adjoining wall, ceiling and floor surfaces.

5. Fill the ¼ inch gap with OSI® Pro-Series® SC-175™ Acoustical Sound Sealant. Finish the gypsum board using common industry standards.

Note: For increased performance add another layer of 5/8 inch Type X Gypsum board.

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Method B: Attaching the Quiet Barrier® HD to the Back of the Gypsum Board.

1. Use a stud finder to locate the studs within the wall. Mark the studs with a chalk line.

2. Lay the drywall face down on to a clean dry surface. Apply a ¼ inch bead PL Construction adhesive around the perimeter of the backside of the drywall. Apply the adhesive approximately 2 inches from the edge of the drywall. Create an X pattern corner to corner and place a few 1 inch "globs" of glue with the field.

3. Place the Quiet Barrier® material onto the back side of the drywall. To ensure good contact with the adhesive, use a hand roller to apply pressure. Let the adhesive cure for 24 hours before installation.

4. Place the first sheet of drywall / Quiet Barrier® composite vertically on the wall. Leave a ¼ inch gap between the new layer of gypsum board and all adjoining wall, ceiling and floor surfaces.

5. Attach the drywall with 2 inch coarse thread drywall screws. Be sure the screws penetrate the studs within the wall assembly. Screws should be placed 8 to 12 inches apart.

6. Fill the ¼ inch gap with OSI® Pro-Series® SC-175™ Acoustical Sound Sealant. Finish the gypsum board using common industry standards.

Note: For increased performance add another layer of 5/8 inch Type X Gypsum board.

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